

MINI 336 STROBE LIGHT

USER MANUAL



For safety, please read this user manual carefully before initial use.

Tealshine reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Tealshine assumes no liability or responsibility for any errors or omissions. Please consult Tealshine for any clarification or information regarding this item.

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1 Important Safety Information

Symbol	Meaning
	General risk.
	Electric shock risk
	Hot surface
	Suitable for indoor use only.
$T_a 45^{\circ}\text{C}$	Maximum operating ambient temperature.
	Minimum distance from illuminated objects.
	Do not stare at the operating light source.
 Risk Group 2	Photobiological safety risk group2
	Never expose the front lens to sunlight or any strong artificial Light source from any angle to avoid damage of head internal parts.



(WEEE)

European Community Directive 2012/19/EU on Waste Electrical and Electronic Equipment.

2 General Warning

Carefully read the instruction contained in this User Manual, as they give important information regarding your safety and others during installation, use, and maintenance of the product.

The unit is not suitable for domestic use and must be installed by qualified personnel only.

The device must always be equipped with an efficient ground connection.

3 Level of protection IP



- The projector is classified as an ordinary appliance and its protection level against the penetration of solid and liquid objects is IP20.
- The projector contains electric and electronic components which should under no circumstances come into contact with oil, water, or any other liquid. The proper functioning of the unit would be compromised should this occur.

4 *Included Items*

- 1x PowerCON female connector
- 2x Omega clamp with ¼- turn “Fast Lock” connection for moving head series
- Safety cable(Optional)
- Signal cable

5 *General Warranty Conditions*

The unit is guaranteed for 12 months from the date of purchase against manufacturing material defects.

The warranty covers defects in materials and workmanship. The warranty is not applicable where a defect is caused by misuse or unauthorized repair of the product.

Any functional or/and physical modification of the product is not allowed.

6 *Product Installation*

The unit is suitable for dry locations only.

The unit may be either floor or ceiling mounted.

6.1 *Floor mounting*

For floor mounting installations, This model is supplied with four rubber mounting feet at the base.

6.2 *Ceiling mounting*

For ceiling mounting installations, we recommend the use of appropriate clamps to fix the unit to the mounting surface.

The supporting structure from which the unit is hung should be capable of bearing the weight of the unit, as should any clamps used to hang it.

The structure should also be sufficiently rigid as not to move or shake whilst the device is moving.

Four ¼-turn “Fast Lock” connections placed in the base of the unit allow this model to hang by using Omega brackets (provided with the unit)(Moving head series).

6.3 Safety Cable

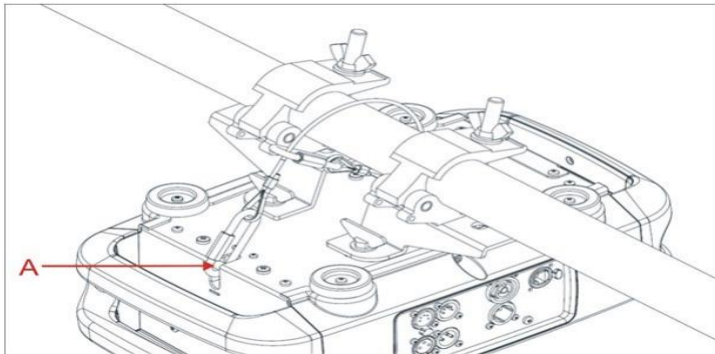


A safety cable must be securely fixed to this model and to the suspension truss in order to avoid the fixture accidentally falling, should the main fixing point fail.

The safety cable used must be approved by a notified body according to IEC 60598-2-17 and must be capable of bearing at least 10 times the weight of the unit. For more information,

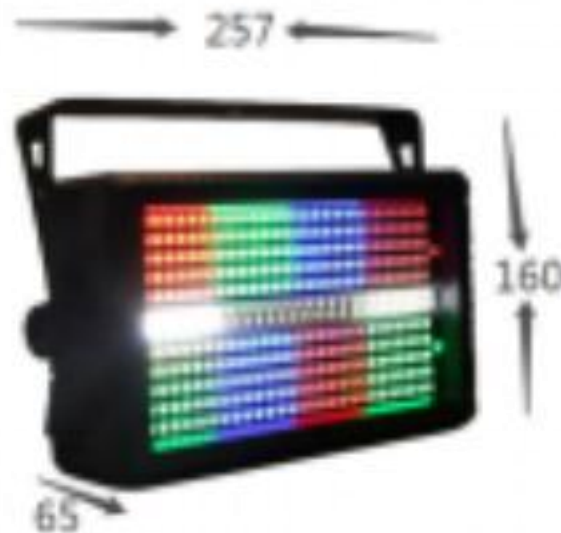
please refer to an authorized service center.

You may attach the safety cable to the attachment point (A) located at the base of the fixture, as shown in the picture as below.



7 Product Features

7.1 Dimensions



7.2 Menu Operation



MENU	- To access the control menus in the display panel. - To return to the previous level in the menu structure without saving any changes. - To exit the menus.
ENTER	- To select any desired menu. - To confirm any selection made or save any changes.
UP / DOWN	- To navigate the menus' structure. - To scroll between any values.

7.3 Menu

Number	Content	Value	Function	
1	A001	001- 512	The DMX512 Address Setting	
2	12CH	4/6/12/24/30	Channel Mode Setting	
3	R255	000 - 255	Red Dimming, from Dark to Bright	
4	G255	000 - 255	Green Dimming, from Dark to Bright	
5	B255	000 - 255	Blue Dimming, from Dark to Bright	
6	W255	000 - 255	White Dimming, from Dark to Bright	
7	F000	005 - 255	Total Strobe, from Slow to Fast	
8	AU01	01 - 08	UP to Switch the Effect	Press ENTER to Set the Speed SP01-SP15
9	EF01	00 - 20	UP to Switch the Effect	Press ENTER to Set the Speed SP01-SP15
10	UF01	00 - 45	UP to Switch the Effect	Press ENTER to Set the Speed SP01-SP15

7.4 DMX Chart

12 Channel (Basic Function)

CH	Value	Function
CH1	000-255	Total dimming, from dark to bright
CH2	005-255	RGB strobe, from slow to fast (W strobe is CH6)
CH3	000-005	Perform the CH9-CH11, RGB dimming
	006-010	Static color, CH4 Select (red, green, blue, yellow, purple, cyan, white)
	011-015	Breathing effect, CH5 Select color

	016-020	Jump change effect
	021-025	Gradient change effect
	026-030	Pulse change effect, CH5 Select color
	031-040	Auto run effect-1, CH5 Select color (cycle auto run)
	041-050	Auto run effect-2, CH5 Select color
	...	...
	...	...
	211-220	Auto run effect-19, CH5 Select color
	221-229	Auto run effect-20, CH5 Select color
	230-239	Sound mode 1, CH5 Select color
	240-249	Sound mode 2, CH5 Select color
	250-255	Sound mode 3, CH5 Select color
CH4	000-255	Auto run effect: adjustment speed, from slow to fast . Sound mode: adjustment sensitivity, from low to high (The highest sensitivity is the sensitivity set by the menu) .
CH5	000-031	Default color
	032-063	Red, CH3 Manual color selection
	064-095	Green, CH3 Manual color selection
	096-127	Blue, CH3 Manual color selection
	128-159	Yellow, CH3 Manual color selection
	160-191	Purple, CH3 Manual color selection
	192-223	Cyan, CH3 Manual color selection
	224-255	White, CH3 Manual color selection
CH6	005-255	W strobe, from slow to fast (RGB strobe is CH2)
CH7	000-005	Perform the CH12, W dimming
	006-010	W effect-1 (cycle effect)
	011-015	W effect-2 (W static effect)
	...	...
	...	...
	221-225	W effect-44
	226-255	W effect-45
CH8	000-255	W effect adjustment speed, from slow to fast
CH9	000-255	R red dimming, from dark to bright
CH10	000-255	G Green dimming, from dark to bright
CH11	000-255	B Blue dimming, from dark to bright
CH12	000-255	W White dimming, from dark to bright

4 Channel (Full Pixel)

CH	Value	Function
CH 1	000-255	R red dimming, from dark to bright
CH 2	000-255	G Green dimming, from dark to bright
CH 3	000-255	B Blue dimming, from dark to bright
CH 4	000-255	W White dimming, from dark to bright

6 Channel (Full pixel)

CH	Value	Function
CH 1	000-255	Total dimming, from dark to bright
CH 2	000-255	Total strobe, from slow to fast
CH 3	000-255	R red dimming, from dark to bright
CH 4	000-255	G Green dimming, from dark to bright
CH 5	000-255	B Blue dimming, from dark to bright
CH 6	000-255	W White dimming, from dark to bright

24 Channel (Pixel control)

CH	Value	Function
CH 1	000-255	R1 red dimming, from dark to bright
CH 2	000-255	G1 green dimming, from dark to bright
CH 3	000-255	B1 blue dimming, from dark to bright
...	...	...
...	...	...
CH 22	000-255	R8 red dimming, from dark to bright
CH 23	000-255	G8 green dimming, from dark to bright
CH 24	000-255	B8 blue dimming, from dark to bright

30 Channel (Pixel control)

CH	Value	Function
CH 1	000-255	Total dimming, from dark to bright
CH 2	000-255	Total strobe, from slow to fast
CH 3	000-255	R1 red dimming, from dark to bright
CH 4	000-255	G1 green dimming, from dark to bright
CH 5	000-255	B1 blue dimming, from dark to bright
...	...	...
...	...	...
CH 24	000-255	R8 red dimming, from dark to bright
CH 25	000-255	G8 green dimming, from dark to bright
CH 26	000-255	B8 blue dimming, from dark to bright
CH 27	000-255	W1 white dimming, from dark to bright
CH 28	000-255	W2 white dimming, from dark to bright
CH 29	000-255	W3 white dimming, from dark to bright
CH 30	000-255	W4 white dimming, from dark to bright

The device is controlled by universal DMX 512 protocol, DMX address is the start channel used to receive instructions from the external controller. For independent control, each fixture must be assigned its unique address control channels. For example, there is channel modes: 14/16, if we set the mode at standard 16 channels mode, and there are several models need to be independently controlled, we just simply address first fixture at 1, and second fixture at 17, third one at 33, etc.

- If the devices have the same address, they will behave synchronically.
- Display is flashing when no DMX signal is received.

8 More Functions

- Software upgrade function via DMX cable. If there is any new firmware for this device, it can be upgraded simply via a software upgrade box, without the need to change any mechanical parts. The upgrade box is not included in the package, if you need any further assistance please contact your authorized dealer.
- Hibernation. The device will enter standby mode if activated after a period of disconnecting DMX signal to save power and will wake immediately when the DMX signal is sent or received again.

9 Technical Specifications

Power

- Input Voltage: 90~260V AC, 50/60Hz
- Power Consumption: 50W
- Fuse: F2A, 250V

Photometric

- Light Source: 280 pcs*0.2W RGB 5050 SMD LEDs+56 pcs*0.5W 5050 SMD LEDs
- PWM: 1,000Hz
- LED Lifespan: 50,000hours

Effects

- Dimming: 0~100%
- Horse race effect
- Pulse effect
- Individual zones:8 RGB-zones+4 CW-zones

Control

- Protocol: DMX512, master-slave, sound activated or auto operation
- DMX Channels: 12/4/6/24/30

- 3-pin XLR in/out
- IP20 3-pin XLR in/out
- IP20 Powercon in/out
- Display: 4-button LED display control panel

Housing

- Materials: Metal & flame retardant ABS
- Finishing: Matte black
- IP rating: IP20
- Cooling: Fan
- Net Weight: 0.65kg
- Rigging: Power cable, signal cable

Cooling System

- Advanced cooling system integrated aluminum and copper with liquid
- Efficient low noise self adjusting fan cooling system
- Constant temperature readout and management function
- Over temperature protection management

Working Environment

- Maximum Ambient Temperature: 45°C
- Minimum Operating Temperature: -10°C
- Protection Rating: IP20

10 Periodic check-ups



WARNING! Disconnect from mains before serving

10.1 Mechanical Parts

Periodically check all mechanical parts, gears, guides, belts, etc., for wear and tear. Replace them if necessary.

Periodically check the lubrication of all components, particularly the parts subjected to high temperatures. If necessary, apply suitable lubricant (available from factory) where needed.

Check the tension of the belts and adjust them where necessary.

10.2 Electrical Components

Check all electrical components for correct earthing and proper connection of all connectors. Refasten where necessary.